Contents Volume 89, 1990/1991

Research Papers

Noble gas systematics of Réunion Island, Indian Ocean	
T. Staudacher, Ph. Sarda and C.J. Allègre (Paris, France)	1
Lower Creataceous tholeitic dyke swarms from the Ponta Grossa Arch (southeast Brazil): Petrology, Sr-Nd	
isotopes and genetic relationships with the Paraná flood volcanics	
E.M. Piccirillo (Trieste, Italy), G. Bellieni, G. Gavazzini (Padova, Italy), P. Comin-Chiaramonti (Palermo,	
Italy), R. Petrini (Pisa, Italy), A.J. Melfi, J.P.P. Pinese (São Paulo, Brazil), P. Zantadeschi (Padova, Italy)	
and A. De Min (Trieste, Italy)	19
Heavy rare-earth element enrichment in granites of the Aar Massif (Central Alps, Switzerland)	
U. Schaltegger and U. Krähenbühl (Bern, Switzerland)	49
A stable-isotope study of the hydrothermal alteration of the East Taiwan Ophiolite	
TF. Yui and RC. Jeng (Taipei, Taiwan, R.O.C.)	65
Elemental fluxes during hydrothermal alteration of the Trinity ophiolite (California, U.S.A.) by seawater	
C. Lécuyer (Rennes, France), M. Brouxel (Vandoeuvre-lès-Nancy, France) and F. Albarède (Vandoeuvre-lès-	
Nancy and Vandoeuvre, France)	87
Behaviour of major elements and some trace elements (Li, Rb, Cs, Sr, Fe, Mn, W, F) in deep hot waters from	
granitic areas	
G. Michard (Paris, France)	117
X-ray microanalysis of frozen fluid inclusions	
C. Ayora and R. Fontarnau (Barcelona, Spain)	135
Chemical weathering of fractured Eocene chalks in the Negev, Israel	
A. Avigour and D. Bahat (Be'er-Sheva, Israel)	149
Chemical sedimentation in the semi-arid environment of the Okavango Delta, Botswana	
T.S. McCarthy and J. Metcalfe (Johannesburg, South Africa)	157
Authigenesis of ferric oolites in superficial sediments from Lake Malawi, Central Africa	
T.M. Williams and R.B. Owen (Zomba, Malawi)	179
Element concentration and partitioning of loess in the Huanghe (Yellow River) drainage basin, north China	
J. Zhang, W.W. Huang, M.G. Liu, Y.Q. Gu (Qingdao, People's Republic of China) and Z.Y. Gu (Beijing,	
People's Republic of China)	189
Uranium and thorium abundance measurements across the Cretaceous-Tertiary boundary in Colorado, U.S.A.	
R.W. Holloway and D.E. Farmer (Las Vegas, Nev., U.S.A.)	201
⁸⁷ Sr/ ⁸⁶ Sr and REE variations along the Easter Microplate boundaries (south Pacific): Application of multivariate	
statistical analyses to ridge segmentation	
D. Fontignie (Genève, Switzerland) and J-G. Schilling (Kingston, R.I., U.S.A.)	209
Geodynamic implications of geochemical data for the Pyrenean ophites (Spain-France)	
D. Béziat (Toulouse, France), J.L. Joron (Paris and Gif-sur-Yvette, France), P. Monchoux (Toulouse,	
France), M. Treuil (Paris and Gif-sur-Yvette, France) and F. Walgenwitz (Pau, France)	243
Geochemistry and tectonic environment of basaltic rocks from the Misis ophiolitic mélange, south Turkey	
P.A. Floyd, G. Kelling (Keele, United Kingdom), S.L. Gökçen and N. Gökçen (Konak-Izmir, Turkey)	263
Geochemical evolution in crustal magma reservoirs: Trace-element and Sr-Nd-O isotopic variations in two	
continental intraplate series at Monts Dore, Massif Central, France	
D. Briot (Clermont-Ferrand, France, and Keyworth, United Kingdom), J.M. Cantagrel (Clermont-Ferrand,	
France), C. Dupuy (Montpellier, France) and R.S. Harmon (Keyworth, United Kingdom)	281
Geochemistry of the granitoid rocks and their minerals from Lixa do Alvão-Alfarela de Jales-Tourencinho (Vila	
Pouca de Aguiar, northern Portugal)	
A.M.R. Neiva (Coimbra, Portugal) and M.E.P. Gomes (Vila Real, Portugal)	.305
Hydrothermal alteration of an old geothermal system in the Auriat granite (Massif Central, France): Petrological	

study and modelling	
J.C. Parneix and J.C. Petit (Fontenay-aux-Roses, France)	329
Early-stage smectites from pyroclastic rocks of Almería (Spain)	250
E. Caballero, E. Reyes, F. Huertas, J. Linares (Granada, Spain) and A. Pozzuoli (Napoli, Italy)	333
A. Hajash (College Station, Texas, U.S.A.) and M.A. Bloom (Houston, Texas, U.S.A.)	359
Rapid analytical method for trace Zn contents in some mafic minerals using the electron microprobe: Potential utility as a metallogenetic and petrogenetic indicator	
T. Nakano, T. Yoshino and N. Nishida (Ibaraki, Japan)	379
Contents Volume 89, 1990/1991	391

Guide for Authors

